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Microwave-assisted synthesis of dihydropyridones from curcumin

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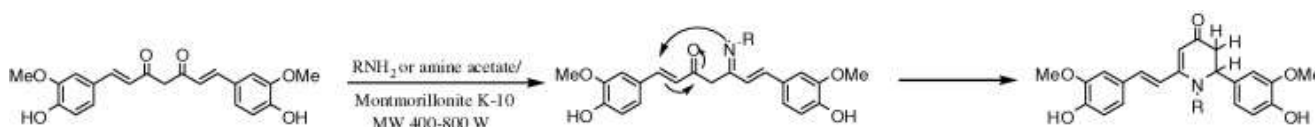
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Abstract

Dihydropyridones were prepared by microwave-assisted reaction between curcumin and primary amines or their acetates in the presence of Montmorillonite (K-10) as a catalyst. The reaction was complete within a few minutes and the yield depends on the amine used.

Graphical abstract

Dihydropyridones were prepared by microwave-assisted reaction between curcumin and primary amines or their acetates in the presence of Montmorillonite (K10) as a catalyst. The reaction was complete within a few minutes and the yield depends on the amine used.

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Keywords

Curcumin; Dihydropyridones; Montmorillonite K-10; Microwave

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